



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set Bond

SECTION 1: Identification

Product identifier

Product name: Bond

Product code: 807100000

Recommended use of the product and restriction on use

Relevant identified uses: Additive for cement-based products

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

CTS Cement Manufacturing Corporation

12442 Knott St.

Garden Grove, CA 92841

800-929-3030

info@ctscement.com

Emergency telephone number:

United States

INFOTRAC 1-800-535-5053

International

INFOTRAC 1-352-323-3500

SECTION 2: Hazard(s) identification

GHS classification:

Combustible dust

Label elements

Signal word: Warning

Hazard statements:

May form combustible dust concentration in air.

Hazards not otherwise classified:

The product is under certain conditions capable of dust explosion. Risk of dust explosion.

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 16389-88-1	Dolomite	10<x<20

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).



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SECTION 4: First aid measures

Description of first aid measures

General notes:

Do not leave the victim unattended.

After inhalation:

Remove to fresh air. Keep the patient warm and at rest. If unconscious, place in the recovery position and seek medical advice. If symptoms persist, call a physician.

After skin contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water.

After eye contact:

Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

After swallowing:

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Treat symptomatically.

Notes for the doctor:

Not determined.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder and carbon dioxide.

Unsuitable extinguishing media:

High volume water jet.

Specific hazards during fire-fighting:

Avoid whirling up the material/product because of the danger of dust explosion. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus for firefighters. Wear self-contained breathing apparatus for firefighting if necessary.

Special precautions:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

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Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. To be disposed of in compliance with existing regulations

Environmental precautions:

Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.

Reference to other sections:

For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage**Precautions for safe handling:**

Avoid creating dust. Keep away from fire, sparks and heated surfaces. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Conditions for safe storage, including any incompatibilities:

Keep in a dry place. Store at room temperature in the original container. Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with technological safety standards. No materials are mentioned to be avoided. No decomposition if stored and applied as directed.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Dolomite	16389-88-1	NIOSH REL TWA 5 mg/m ³ (Respirable fraction)
	Dolomite	16389-88-1	NIOSH REL TWA 10 mg/m ³ (Total dust)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

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Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance. Wear appropriate clothing to prevent any possibility of skin contact. Nitrile, butyl rubber or neoprene gloves are recommended.

Respiratory protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

General hygienic measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Solid; White powder
Odor	Odorless
Odor threshold	Not available
pH	7.0-8.5
Melting point/freezing point	Not available
Initial boiling point/range	Not applicable
Flash point (closed cup)	Not available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	15 mg/m ³
Vapor pressure	Not applicable
Vapor density	Not applicable
Bulk Density	249-640 kg/m ³
Relative density	Not available
Solubilities	Partially soluble
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	> 572 °F / > 300 °C Method: DIN EN 50281-2-1
Decomposition temperature	Not determined

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Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Dust might form explosive mixtures with air.
Oxidizing properties	Not available

Other information

Dust explosion class	St1
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SECTION 10: Stability and reactivity**Reactivity:**

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage. No decomposition if stored and applied as directed.

Possibility of hazardous reactions:

Dust can form an explosive mixture in air. Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.

Conditions to avoid:

Formation of flammable or explosive dust/air mixtures possible.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information**Information on toxicological effects:****Acute toxicity****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:**

Name	Species	Route	Result
Dolomite	Rat	Oral	LD50: >5000 mg/kg

Skin corrosion/irritation**Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Serious eye damage/irritation****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Respiratory or skin sensitization****Assessment:** Based on available data, the classification criteria are not met.



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Product data: No data is available.

Substance data: No data is available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

International Agency for Research on Cancer (IARC):

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

National Toxicology Program (NTP):

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Information on likely routes of exposure:

No data is available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data is available.

Other information:

No data is available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Acutely harmful for aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

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Name	Species	Result
Dolomite	Fish	LC50: >1000 mg/l (96 h)
	Daphnia	LC50: >5000 mg/l (48 h)

Chronic (long-term) toxicity**Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data available.**Substance data:** No data available.**Persistence and degradability****Product data:** No data available.**Substance data:** No data available.**Bioaccumulative potential****Product data:** No data available.**Substance data:** No data available.**Mobility in soil****Product data:** No data available.**Substance data:** No data available.**Other adverse effects:** No data available.**SECTION 13: Disposal considerations****Disposal methods:**

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state, and local regulations. Empty remaining contents. Empty containers should be taken to local recyclers for disposal. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information**United States Transportation of dangerous goods (49 CFR DOT)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None

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Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations Inventory listing (TSCA): All components are on the US EPA TSCA Inventory List.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 304 extremely hazardous substances reportable quantity:

Component	CAS No.	Component RQ (lbs)
Formaldehyde	50-00-0	100

SARA Section 311/312 hazardous: Refer to SDS section 2 for GHS hazard classes applicable for this product. Combustible dust.

SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA:

Component	CAS No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methanol	67-56-1	100	100 (F003)
Orthophosphoric acid	7664-38-2	5000	

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

orthophosphoric acid

Vinyl acetate

diiron tris(sulphate)

formaldehyde

iron (II) sulfate

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

orthophosphoric acid 7664-38-2 >=0-<0.1%

Vinyl acetate 108-05-4 >=0-<0.1%



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diiron tris(sulphate)	10028-22-5	>=0-<0.1%
formaldehyde	50-00-0	>=0-<0.1%
iron (II) sulfate	7720-78-7	>=0-<0.1%

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307. This product does not contain any priority pollutants related to the U.S. Clean Water Act

Massachusetts Right to Know: No ingredient regulated by MA Right-to-Know Law present.

New Jersey Right to Know: No ingredient regulated by NJ Right-to-Know Law present.

New York Right to Know: No ingredient regulated by NY Right-to-Know Law present.

Pennsylvania Right to Know: No ingredient regulated by PA Right-to-Know Law present.

California Proposition 65:

L WARNING: Can expose you to vinyl acetate, a carcinogen, and methanol, a reproductive toxicant. See www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Road Transport
AU: Australia
CA: Canada
CAS: Chemical Abstracts Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
CN: China
CPR: Controlled Products Regulations
DFG: Deutsche Forschungsgemeinschaft
DOT: Department of Transportation
DSL: Domestic Substances List
EEC: European Economic Community
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
EPA: Environmental Protection Agency
EU: European Association
IARC: International Agency for Reach on Cancer
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
JP: Japan
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50

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Rapid Set Bond**Log-POW:** Octanol-water partition coefficient**Koc:** Partition coefficient of organic carbon**Know:** Octanol/water partition coefficient**KR:** Korea**LEL:** Lower Explosive Limit**UEL:** Upper Explosive Limit**NIOSH:** National Institute for Occupational Safety and Health Administration**PH:** Philippines**RCRA:** Resource Conservation and Recovery Act**OSHA:** Occupational Safety and Health Administration**RID:** European Rail Transport**SARA:** Superfund Amendments and Reauthorization Act**STEL:** Short Term Exposure Limit**TDG:** Transportation of Dangerous Goods**TSCA:** Toxic Substances Control Act**TWA:** Time Weighted Average**US:** United States**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-2-0**HMIS:** 0-2-0**Initial preparation date:** 11/01/18**Version #:** 6**Revision Date:** 05/14/25**End of Safety Data Sheet**